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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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### Complete if Known

Application Number	09/650,850
Filing Date	08/29/2000
First Named Inventor	James D. Barnette
Art Unit	2634
Examiner Name	Kevin Kim
Attorney Docket Number	J. BARNETTE 1

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### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6,240,128 B1	05/29/2001	Banerjea, et al.	
		US- 5,418,849	05/23/1995	Cannalire, et al.	
		US- 5,353,279	10/04/1994	Koyama	
		US- 4,924,492	05/08/1990	Gitlin, et al.	
		US- 5,841,809	11/24/1998	Koizumi, et al.	
		US- 5,396,517	03/07/1995	Yedid, et al.	
		US- 4,707,824	11/17/1987	Kanemasa	
		US- 6,208,671	03/27/2001	Paulos, et al.	
		US- 6,628,738	09/30/2003	Peeters, et al.	
		US- 6,389,064	05/14/2002	Dholakia, et al.	
		US- 5,748,126	05/05/1998	Ma, et al.	
		US- 5,351,087	09/27/1994	Christopher, et al.	
		US- 6,434,233	08/15/2002	Bjarnason, et al.	
		US- 5,809,033	09/15/1998	Turner, et al.	
		US- 5,604,769	02/18/1997	Wang	
		US- 5,512,898	04/30/1996	Norsworthy, et al.	
		US- 5,610,909	03/11/1997	Shaw	
		US- 5,631,899	05/20/1997	Duttweiler	
		US- 5,668,794	09/16/1997	McCasin, et al.	

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### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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PTO/SB/08A (08-03)

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	2	of	3
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First Named Inventor	James D. Barnette
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		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,926,505	07/20/1999	Long	
		US- 5,970,137	10/19/1999	LeDamany, et al.	
		US- 6,526,139	02/25/2003	Rousell, et al.	
		US- 6,532,289	03/11/2003	Magid	
		US- 6,597,787	07/22/2003	Lindgren, et al.	
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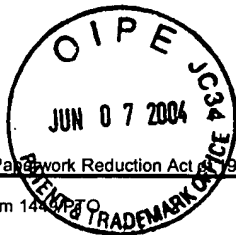
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Floyd M. Gardner "Interpolation in Digital Modems - Part I: Fundamentals" IEEE Transactoins on Communications, Vol. 41, No. 3, March 1993; pp. 501-507	
		Lars Erup, et al. "Interpolation in Digital Modems - Part II: Implementation and Performance" IEEE Transactions on Communications, Vol. 41, No. 6, June 1993; pp. 998-1008	
		James. D. Barnette, et al.; U.S. Patent Application Serial No. 09/652,116, filed 08/29/2000 entitled "Resampler for a bit Pump and Method of Resampling a Signal Associated Therewith"; pp. 1-59; 6 drawing sheets	
		Mandeep Singh Chadha, et al.; U.S. Patent Application Serial No. 09/650,854, filed 08/29/2000 entitled "Separation Circuit for an Echo Canceling System and Method of Operating the Same"; pp. 1-67; 6 drawing sheets	
		Mandeep Singh Chadha, et al.; U.S. Patent Application Serial No. 09/650,853, filed 08/29/2000 entitled "Echo Canceling System for a Bit Pump and Method of Opearting the Same"; pp. 1-60; 5 drawing sheets	
		Mandeep Singh Chadha, et al.; U.S. Patent Application Serial No. 09/650,851, filed 08/29/2000 entitled "Filter Circuit for a Bit Pump and Method of Configuring the Same" pp. 1-57; 7 drawing sheets	

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